

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0130 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 27/11/91
Map Ref.:
Northing/Long.: 6270160 AMG zone: 50
Easting/Lat.: 554990 Datum: AGD84
Locality:
Elevation: 298 metres
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 1 %
Pattern Type: Alluvial plain
Relief: 5 metres
Slope Category: No Data
Aspect: 180 degrees

Surface Soil Condition Hardsetting, Hardsetting

Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification: N/A
Mapping Unit: N/A
Principal Profile Form: Dy3.42
ASC Confidence: Confidence level not specified
Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.14 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Dry; Field
A2e	0.14 - 0.3 m	Pale brown (10YR6/3-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Dry; 20-50%, , coarse fragments; Common (10 - 20 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Field pH 7
B21t	0.3 - 0.4 m	Light brownish grey (10YR6/2-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure; Rough-ped fabric; Dry; 10-20%, , coarse fragments; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 7.5 (Raupach); Gradual change to -
B22	0.4 - 0.6 m	Light yellowish brown (2.5Y6/4-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Light clay; Moderate grade of structure; Rough-ped fabric; Dry; 10-20%, , coarse fragments; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 8 (Raupach);

Morphological Notes

A2e M GC & A QZ KS<1MM
 B21t F R GC V. SLIGHT DISP.
 B22 F R GC

Observation Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m					Cmol (+)/kg			%

0.3 - 0.6	6.5B 7.6H	9B	1.44A	2.51	0.03	1.02			5D
0.3 - 0.6	6.5B 7.6H	9B	1.44A	2.51	0.03	1.02			5D

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.3 - 0.6 39.5									56l		4.5
0.3 - 0.6 39.5									56l		4.5

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMdR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15J_BASES	Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
P10_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded